

## Multi bag filter housing MBH

amafilter – LFC Lochem (Filtration Group Process Systems) bag filters are excellent for use in the filtration of liquids containing higher concentrations of coarse solids, when handling batches of (various) liquids and as end-filtration or polishing of liquids with extremely low concentrations of solids. MBH can be used where high capacities are needed. amafilter – LFC Lochem (Filtration Group Process Systems) multi bag filters are available for 3 up to 12 bags.

### Features

- Easy to use, good interior sealing and accessibility
- Standard cover closure with eye bolts
- The cover is opened using a davit arm as a standard construction
- Several options available to open MBH filter housing with spring assisted or a hydraulic version
- Excellent sealing between unfiltered liquid and filtered liquid is achieved by a hold-down device. The filter bag seals with a felt covered Snap-Collar ring or plastic flange, which tightly fits into the housing
- Support baskets are constructed in perforated stainless steel
- Liquid displacer units are available to reduce the liquid volume inside the filter bags

### Filter bags

Filtration Group supplies a wide range of filter bags in different materials, pore sizes, dimensions and models to fit in our housings as well as those of other manufacturers. For detailed information about amaFlow filter bags, please visit our website [www.ama-lfc.com](http://www.ama-lfc.com).



### Typical application

- Filtration of water

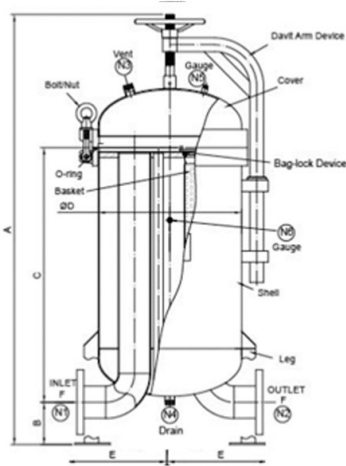
### Standard specification

- Design: ASME
- According: PED 2014/68/EU
- Design pressure: -1 / 10 bar(g)
- Design temperature: 0 / 90°C
- Recommended maximum pressure difference: 2.5 bar
- Operating temperature: depending on the filter media and gaskets used
- The filters are manufactured of stainless steel 304 or stainless steel 316
- Available for size 2 filter bags
- Suitable for 3 up to 12 filter bags
- Filtration area: 1.5 up to 6 m<sup>2</sup>
- Perforated stainless steel support baskets
- Standard cover closure with eye bolts
- Equipped with four legs
- O-ring material: standard EPDM. Other materials on-request such as FPM/Viton® or silicone
- FDA compliant on-request

### Customized requirements

We understand that our customer's facing complex processes and environmental requirements. There where a standard filter housing could not be sufficient, our engineers are able to design a custom made filtration solution. For further information please contact us at [www.ama-lfc.com](http://www.ama-lfc.com)

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**Ordering information**

			1	2	3	4	5	6	7
<b>Example</b>	=		MBH4-180A-4F-SD-NC						
<b>1 Type</b>	=	MBH							
<b>2 Number of filter bags</b>	=	3, 4, 6, 8 or 12							
<b>3 Dimensions</b>			180	=	size 2				
<b>4 Material</b>			A	=	stainless steel 304				
			S	=	stainless steel 316				
<b>5 Inlet/outlet</b>			4F	=	DN100 flanges (for 3 and 4 bags)				
			6F	=	DN150 flanges (for 6 bags)				
			8F	=	DN200 flanges (for 8 bags)				
			10F	=	DN250 flanges (for 12 bags)				
			A	=	ASME				
<b>6 Cover closing</b>			D	=	davit arm and eye bolts (standard)				
			S	=	spring assisted				
			H	=	hydraulic assisted				
<b>7 Category</b>			NC	=	according to PED 2014/68/EU Article 4, paragraph 3				
			P2	=	according to PED 2014/68/EU - Fluid group 2 (for hazardous and non-hazardous liquids)				

**Connections**

- N1 Inlet
- N2 Outlet
- N3 Vent
- N4 Drain
- N5 Pressure gauge

**Dimensions\***

Model MBH	A [mm]	B [mm]	C [mm]	D Diameter [mm]	E [mm]	F inlet/outlet [inch]
3	1521	150	900	20"	329	4"
4	1542	150	903	22"	354	4"
6	1659	175	960	26"	429	6"
8	1820	210	1033	32"	505	8"
12	2115	285	1130	38"	661	12"

\* Dimensions are for reference only. Use dimensional drawing for installation purposes. Subject to technical alteration without prior notice.

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